

## **V rsion with markings to show changes made**

The paragraph on page 1, lines 3-5 has been amended as follows:

This application is a continuation of copending U.S. application Serial Number 10/164,276 of Wagner filed on June 5, 2002, which is a continuation-in-part of U.S. application, Serial Number 10/006412 of Wagner filed on December 3, 2001, which [is] are hereby incorporated by reference for all that is disclosed therein.

Claim 1 has been amended as follows:

1. (once amended) A heat sink for removing heat from a heat source, said heat sink comprising:

a core member comprising at least one core member first surface, said at least one first surface being adapted to contact at least a portion of said heat source;

at least one outer peripheral surface located on said core member, said at least one outer peripheral surface comprising a first portion and a tapered portion, the shape of said first portion being uniform between a first distance and a second distance measured from said first surface; and

at least one cooling fin operatively connected to said [at least one outer peripheral surface] first portion, said at least one cooling fin extending in a direction substantially normal to said at least one outer peripheral surface of said first portion [core member first surface];

[at least a portion of said at least one outer peripheral surface being tapered,] wherein said tapered portion is located adjacent said first surface; and

wherein the circumference of said tapered portion [at least one outer peripheral surface] in the proximity of said first surface is [being] greater than the circumference of said tapered portion [at least one outer peripheral surface] not in the proximity of said first surface.

Claim 2 has been amended as follows:

2. (once amended) The heat sink of claim 1, wherein the circumference of said at least one outer peripheral surface is greatest at [a junction of said at least one outer peripheral surface and] said at least one first surface.

Claim 3 has been amended as follows:

3. The heat sink of claim 1, wherein said at least a portion of said at least one outer peripheral surface between said [being] tapered portion and said first portion forms a continuous surface.

Claim 6 has been amended as follows:

6. The heat sink of claim 1, and further comprising a cooling fin device comprising a collar member, wherein said at least one cooling fin is attached to said collar member, said cooling fin device being in thermal contact with said at least one portion of said outer peripheral surface.

Claim 7 has been amended as follows:

7. The heat sink of claim 6, wherein an interference fit exists between said at least one portion of said outer peripheral surface of said core member and said cooling fin device.

Claim 10 has been amended as follows:

10. The heat sink of claim 9, wherein said second portion of said shroud has at least one slot formed therein.

Claim 14 has been amended as follows:

14 The heat sink of claim 1, wherein said at least one cooling fin has a first end and a second end, wherein both said first end and said second end are adjacent said at least one [outer peripheral] surface of said first portion [core member].

Claim 16 has been amended as follows:

16. The heat sink of claim 1, wherein said [core member comprises a core] first portion and said tapered portion are [a core second portion being] in thermal contact[, said core first portion comprising the portion of said at least one outer peripheral surface being tapered].

Claim 17 has been amended as follows:

17. The heat sink of claim 16, wherein said first [core second] portion and said at least one cooling fin are formed from a single piece of material.

Claim 18 has been amended as follows:

18. The heat sink of claim 16, wherein said first [core second] portion and said at least one cooling fin are extruded.

Claim 19 has been amended as follows:

19. A heat sink for removing heat from a heat source, said heat sink comprising:

a core member comprising at least one core member first surface and a core member second surface, said at least one first surface being adapted to contact at least a portion of said heat source, said second surface being oppositely disposed said at least one first surface;

at least one outer peripheral surface located on said core member, said at least one outer peripheral surface comprising a first portion and a tapered portion, the shape of said first portion being uniform between a first distance and a second distance measured from said first surface;

an air blowing device located proximate said core second surface, said air blowing device having an air path associated therewith, said air path extending in a direction between said second surface and said at least one first surface; and

at least one cooling fin operatively connected to said first portion [at least one outer peripheral surface], said at least one cooling fin extending in a direction substantially parallel to said air path;

[at least a portion of said at least one outer peripheral surface being tapered,] wherein the circumference of said tapered portion [at least one outer peripheral surface] in the proximity of said core member first surface being greater than the circumference of said tapered portion [at least one outer peripheral surface] not in the proximity of said core member first surface.

Claim 20 has been amended as follows:

20. A method of manufacturing a heat sink, said method comprising:

providing a first core member comprising a first core member first surface, a first core member second surface oppositely disposed said first core member first surface, and at least one first outer peripheral surface located between said first core member first surface and said first core member second surface, the shape of said first core member being uniform between a first distance and a second distance measured from said core member first surface;

attaching at least one cooling fin to said at least one outer peripheral surface of said first core member[, said at least one cooling fin extending along an axis, wherein said axis extends between said first core member first surface and said first core member second surface];

providing a second core member comprising a second core member first surface, a second core member second surface, and at least one second outer peripheral surface located between said second core member first surface and said

second core member second surface, at least a portion of said at least one second outer peripheral surface being tapered, wherein the circumference of said at least one second outer peripheral surface in the proximity of said second core member first surface is greater than the circumference of said at least one second outer peripheral surface not in the proximity of said second core member first surface; and attaching said first core member second surface to said second core member second surface.

Claim 25 has been amended as follows:

25. A method for cooling an object, said method comprising:  
locating a heat sink adjacent at least a portion of said object, said heat sink comprising:  
a core member comprising at least one core member first surface, said at least one first surface being adapted be located adjacent said at least a portion of said object;  
at least one outer peripheral surface located on said core member, said at least one outer peripheral surface comprising a first portion and a tapered portion, the shape of said first portion being uniform between a first distance and a second distance measured from said first surface; and  
at least one cooling fin operatively connected to said first portion [at least one outer peripheral surface], said at least one cooling fin extending in a direction substantially normal to said at least one core member first surface;  
[at least a portion of said at least one outer peripheral surface being tapered,] wherein the circumference of said tapered portion [at least one outer peripheral surface] in the proximity of said first surface being greater than the circumference of said tapered portion [at least one outer peripheral surface] not in the proximity of said first surface;  
forcing air past said at least one cooling fin.